MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2019/2020

DCP5016 – COMPUTER APPLICATIONS

(Diploma in Electronic Engineering)

15 OCTOBER 2019
2.30 p.m – 4.30 p.m
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of **2** pages excluding the cover page with **4** questions.
2. Answer **ALL** questions.
3. Please write all your answers in the answer booklet provided.

QUESTION 1 [25 MARKS]

a) What is definition of Input Devices? Provide TWO examples for it. [3 marks]

b) List out and explain the characteristics why smartphone is considered as a computer. [8 marks]

c) Explain step by step on how the Internet works when you want to access www.facebook.com. [8 marks]

d) Mandy is planning to do a research on her solar panel project. Give THREE guidelines to help her to decide whether to consider a website to be a good source of information. [6 marks]

QUESTION 2 [25 MARKS]

a) Application software is the software use to do tasks at home, work and school. Give THREE types of application software by providing examples for each. [9 marks]

b) M-commerce (mobile commerce) is the buying and selling of goods and services through wireless handheld devices such as smartphones and tablets. List TWO advantages and disadvantages of using M-commerce. [4 marks]

c) System software consists of two primary types of programs. Explain ALL. [6 marks]

d) Describe the meaning of the following terms:
   i) Task Manager [2 marks]
   ii) Disk Cleanup [2 marks]
   iii) Disk Defragmenter [2 marks]

Continued...

QUESTION 3 [25 MARKS]

a) List FOUR reasons why Solid-State Drive (SSD) has become a more feasible option for desktop and laptop storage.

[4 marks]

b) Explain the operation of Random Access Memory (RAM) in detail.

[8 marks]

c) Define *node*. Provide THREE related examples of node.

[5 marks]

d) List FIVE basic network hardware.

[5 marks]

e) Provide THREE examples of wireless internet access.

[3 marks]

QUESTION 4 [25 MARKS]

a) As an engineer, Mary requires to be on offsite or outstation frequently. Mary wants to purchase either a laptop or a tablet to assist her during her offsite or outstation work to prepare reports and view blueprint diagrams.

i) Give TWO disadvantages of using a laptop and tablet.

[4 marks]

ii) Which device better suit Mary's requirement? Explain THREE advantages of the suggested device which Mary can benefit from.

[6 marks]

b) State FIVE features of Ultrabook.

[5 marks]

c) Define biometric authentication device. State FOUR examples of the biometric authentication.

[6 marks]

d) What is the function of anti-virus software? Give THREE examples.

[4 marks]

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